AMADA PRESS SYSTEM CO., LTD.



General Catalogue for the Straightener-Feeders *LCC* Series





Lineup of the highly reliable LCC Series of NC Straightener-Feeders



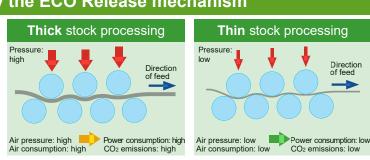
Thickness: Max 0.472"

Material width The **DRII** brand, which incorporates high technology and abundant experience, provides a wide variety of options for the diverse needs of our customers.

Energy saving of up to 50% by the ECO Release mechanism

ECO Release

The ECO Release mechanism contributes to energy savings. Since it is possible to control the optimum air cylinder pressure according to the processing material and plate thickness, power consumption can be reduced by up to about 50%.



TP-CCS control system with a user-friendly touch screen

Required information for setup, operation, maintenance, etc. is centrally managed in the four basic modes of setting, setup, operation, and maintenance. It is a total operation system equipped with various functions to support diversification and sophistication of product processing and shortened work time.





Improved product quality and simplified setup with analog loop control

Analog loop control is a function that converts the loop control of the uncoiler into analog and synchronizes the unwinding speed of the coil with the line speed.

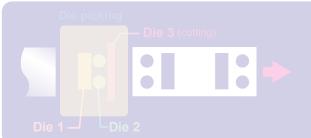
During automatic operation, the uncoiler keeps rotating at a constant speed without stopping, preventing the coil material from unraveling uncontrollably and promoting stable processing. This prevents scratches on the coil material, improving product quality and the life of parts, and simplifies coil material replacement.

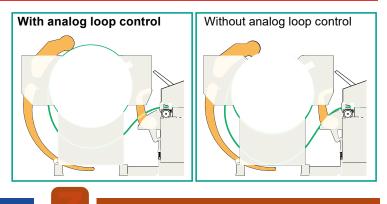


Diverse processing with multistage die picking

We have introduced our unique rationalization knowhow to meet the strong needs of a multi-stage feeding system for stamping press machines.

This is a function to set the feed length, die selection, etc. for each stage and operation of the machine. Up to 99 steps can be set for each product. The number of repetitions and the synchronization signal to the press can also be set, supporting a wide variety of processing.





Yield improvement with zigzag feeding system

It greatly improves the yield and reduces the material cost.

This is an optional feed system that enables zigzag feeding, which will reduce the generation of scrap material and cost, and is environmentally conscious.



A lineup of NC Straighter-Feeders, from space-saving to

High-Performance Type

It is an intelligent high-performance type equipped with a **TP-CCS** control system that realizes total operation.



Width: 1.968" ~ 23.622" Thickness: Max 0.126"



This is an economical model that takes advantage of on-site needs.



LCC HF4/HF2

Width: 1.968" ~ 39.370" Thickness: Max 0.177"

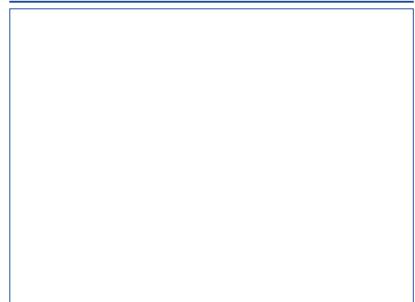


This is a highly operable and reliable model that allows material to be passed through with a simple button operation.



Main dimensions



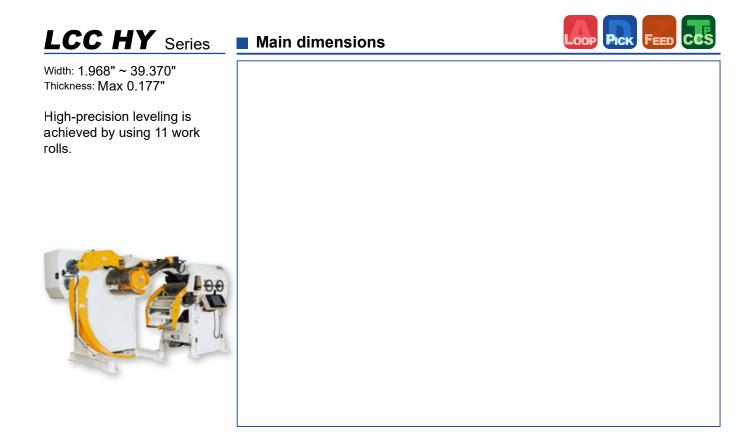




Series Main dimensions

High-Performance Type

large-scale, which streamlines stamping press processing

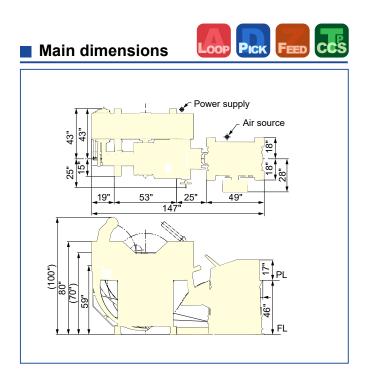




Width: 2.756" ~ 9.842" Thickness: Max 0.236"

This is ideal for material for small parts and saving space.





FCO

Release





LCC HR3 Series realizes productivity and operability by condensing high versatility in a compact size.

Eco

Pick

Width: 2.756" ~ 51.181" Thickness: Max 0.236"

LCC HR3 Series

Main dimensions



LCE HR3 Serie

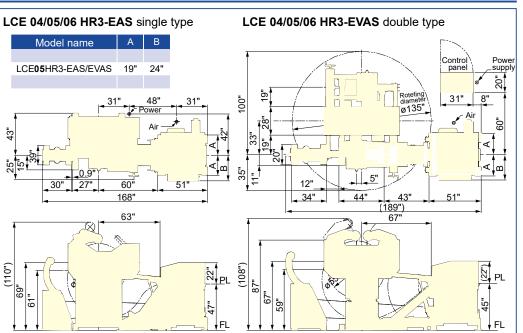
Width: 2.756" ~ 23.622" Thickness: Max 0.236"



With just a one-button operation, coil material threading and loop formation have been automated. Achieves both improved work setup and high economic efficiency.



Series Main dimensions



High-Performance Type



LCE HR3 Series Double uncoiler type

Compact Type

LCC KR3 Series

Width: 1.968" ~ 15.748" Thickness: Max 0.126"

This is a compact best-selling model, which promotes space saving and high performance. Maintenance, including roll cleaning, has been made easy by making it possible to open the cover over the straightener to access the inside.



LCC 03KL Series

Width: 1.968" ~ 11.811" Thickness: Max 0.126"

This is a model that pursues economic efficiency by simplifying and downsizing to the utmost limit.



LCC SA Series

Width: 1.968" ~ 15.748" Thickness: Max 0.126"

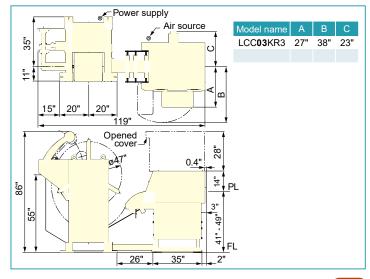
This is a compact model equipped with ASC control (which detects the outer diameter of the coil material and automatically changes the amount of correction), 11 work rolls to improve flatness, and a motor-controlled cover opening mechanism that makes roll cleaning easy.



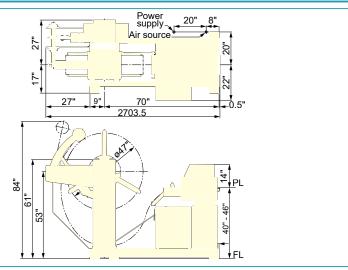
Meets the need for high performance and saving space.

Main dimensions



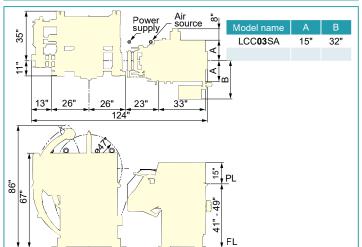


Main dimensions



Main dimensions

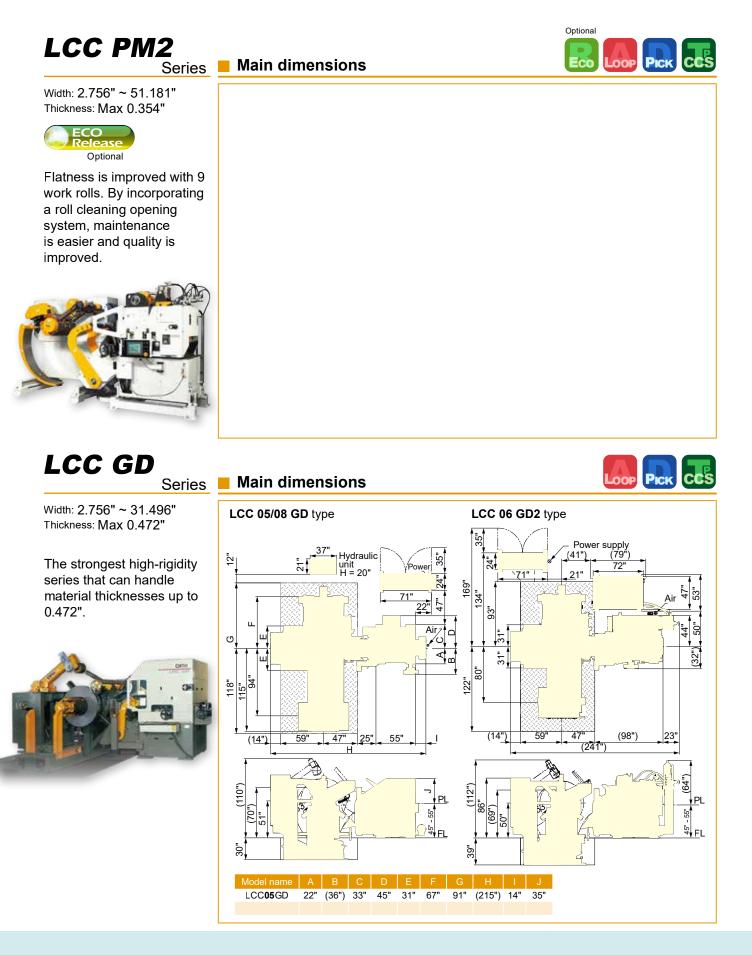




FEED

Heavy-Duty Type

Heavy-Duty Type A heavy-duty type that emphasizes high rigidity.





| Specifications | | | | | | | |
|---------------------------------------|---------------------------|-------------------|-------------------|---|------------------|-------|--|
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| Optional Feed Master function is avai | ilable for feed lengths t | hat exceed standa | rd specifications | (| Common specifica | tions | |

 Optional Feed Master function is available for feed lengths that exceed standard specifications.
 Common specifications

 The values with () are for automatic coil material threading type.
 - Inner coil diameter: ø20"
 - Power supply: 200/220 V

 The values in the table above are for the single uncoiler type.
 Please contact us for the double uncoiler type.
 - Feed roll: 1 pair
 - Air pressure: 0.5 MPa

 If the mode name ends -E, it means -EAS. If it ends in -V, it means -EVAS.
 - Master Common specifications
 - Air pressure: 0.5 MPa

Straightening performance (Stock width)

| LCC04KR3 | 15.7 | 48 | 14.173 1 | 12.992 | 10.236 | 8.661 | 7.480 | 6.693 | 5.906 | 4.331 | | | | | | | | | | |
|------------|---|---------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|--|--------|--------|--------|--------|
| LCC03SA | 11.8 | 11 | 1 | 10.630 | 9.055 | 8.268 | 6.693 | 6.299 | 5.118 | 4.724 | | | | | | | | | | |
| LCC04HF1 | | 15.748 | | [| 14.567 | 11.811 | 9.055 | 7.480 | 5.906 | 4.331 | | | | | | | | | | |
| LCC06HF1 | 23.6 | 22 | 22.047 1 | 18.504 | 14.567 | 11.811 | 9.055 | 7.480 | 5.906 | 4.331 | | | | | | | | | | |
| LCC05HF2 | 19.685 | | | | | | 16.535 | 14.567 | 12.598 | 10.630 | 8.268 | 6.693 | | | | | | | | |
| LCC08HF2 | 31.496 | 27.559 | 22.835 1 | 19.291 | 16.535 | 14.961 | 12.598 | 11.417 | 10.236 | 8.661 | 6.693 | 5.906 | | | | | | | | |
| LCC04HF4 | | | 15.74 | 48 | | | | | 14.567 | 12.205 | 8.661 | 6.693 | | | | | | | | |
| LCC06HF4 | | | 19.685 | 17.323 | 14.567 | 12.992 | 11.417 | 9.843 | 7.874 | 6.299 | | | | | | | | | | |
| LCC06HY1 | : | 23.622 | 1 | 18.898 | 14.961 | 12.205 | 9.055 | 7.480 | 5.906 | 4.724 | | | | | | | | | | |
| LCC05HY2-V | | 19.6 | 685 | | | | 16.535 | 14.961 | 12.992 | 11.024 | 7.480 | 5.906 | | | | | | | | |
| LCC06HY2-V | | 23.622 | | | 20.472 | 18.11 | 14.961 | 13.78 | 12.205 | 10.236 | 7.48 | 5.906 | | | | | | | | |
| LCC08HY2 | 31.496 | 29.528 | 24.016 2 | 20.079 | 17.717 | 15.748 | 13.386 | 12.205 | 10.630 | 9.449 | 7.087 | 5.906 | | | | | | | | |
| LCC92HT | | | | | | | | 9.8 | 43 | | | | | 7.874 | | | | | | |
| LCE04HR3-V | | | | | 15. | 748 | | | | | | 14.173 | 11.417 | 7.874 | | | | | | |
| LCE05HR3-V | | 19.685 | | | | | | | | | 17.717 | 14.173 | 11.417 | 7.874 | | | | | | |
| LCE06HR3-V | | | | | | | 17.717 | 14.173 | 11.417 | 7.874 | | | | | | | | | | |
| LCC05HR3-E | | | | | 19.685 | | | | | | 17.717 | 14.173 | 11.417 | 7.874 | | | | | | |
| LCC06HR3-E | | | | | 23.622 | | | | | | 17.717 | 14.173 | 11.417 | 7.874 | | | | | | |
| LCC08HR3-V | | | | 31.4 | 196 | | | | | 27.953 | 17.717 | 14.173 | 11.417 | 7.874 | | | | | | |
| LCC10HR3 | | | 3 | 39.370 | | | | | 36.614 | 27.953 | 17.717 | 14.173 | 11.417 | 7.874 | | | | | | |
| LCC06HLS-E | (23.622) (23.622) | 23.622 19.685 | 16.929 1 | 14.567 | 12.992 | 11.417 | 9.843 | 9.055 | 7.874 | 6.693 | 5.118 | 4.724 | 3.937 | 3.150 | | | | | | |
| LCC08HLS-V | 31.496 (29.921) | 23.622 19.685 | 16.535 1 | 14.567 | 12.598 | 11.417 | 9.843 | 8.661 | 7.874 | 6.693 | 5.118 | 4.331 | 3.937 | 3.150 | | | | | | |
| LCC13HLS | 39.764 (29.528) | 23.228 19.291 | 16.142 1 | 14.173 | 12.598 | 11.024 | 9.449 | 8.661 | 7.480 | 6.693 | 5.118 | 4.331 | 3.937 | 3.150 | | | | | | |
| LCC06HLU-V | 23.622 | | 23.622 | | | | 21.654 | 18.504 | 14.567 | 11.024 | 7.087 | 5.512 | 4.331 | 3.150 | | | | | | |
| LCC10HLU | 39.370 | 39.370 | 3 | 37.008 | 23.622 | 28.740 | 21.654 | 18.504 | 14.567 | 11.024 | 7.087 | 5.512 | 4.331 | 3.150 | | | | | | |
| LCC03PM2-E | | | | _ | | | | 11.811 | | _ | | | | | | | | | | |
| LCC06PM2-V | | | 622 | | | | | | | 17.717 | 12.992 | 9.843 | 7.874 | | | | | | | |
| LCC10PM2 | 39.370 31.496 25.197 17.717 12.992 9.84 | | | | | | | | | | | 9.843 | 7.874 | | | | | | | |
| LCC05GD | | | (19.685) | | | | | | | 19.685 | | | | | | | 18.898 | 15.354 | 12.598 | 10.630 |
| LCC06GD2 | | | | | | | | | 23. | 622 | | | | | | | 18.898 | 15.354 | 12.598 | 10.630 |

The above table is for materials having yield strength of 245 MPa. The values in the red frame indicate materials having yield strength of 613 MPa. If the mode name ends -E, it means -EAS. If it ends in -V, it means -EVAS.

General Catalogue for the Straightener-Feeders



Main equipment

| | | Model name | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------|------------------|-----------|------------|----------|----------|------------|-----------|------|----|---------|------------|------------|----------------------|----|----|--|--|
| Equipm | nent | | KL | KR3 | SA | HF1 | HF2 HF4 | HY1 | HY2 | ΗТ | HR3 | LCE HR3 | HLS HLU | PM2 | GD | GI | | |
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| Standard | *1 Hyd | raulic e | xpansio | on for ste | ock widt | h over 3 | 39.370" | or coil r | nass | *3 | Hard cł | nrome p | lating fir | nished | | | | |
| Optional | ove | r 15432 496". | 2 lbs, pr | eumatio | | | | | | *4 | Some p | arts car | nnot be | specified CCS con | | | | |
| Before using th carefully and for | nose proc | ducts, p | lease re | ead the | operato | r's manı | ual | | | | | | | t of use | | | | |

- Options are included in the photos.
- Specifications, appearance, and equipment are subject to change without notice for improvement and other purposes.

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responsibility of the end user.